

## **Sintered ceramic product of whole flyash using "viscous" flyash as adhesive**

**Publication number:** CN1075310

**Publication date:** 1993-08-18

**Inventor:** PINZHEN CHEN (CN)

**Applicant:** CHEN PINZHEN (CN)

**Classification:**

**- international:** **C04B33/00; C04B35/18;**  
**C04B33/00; C04B35/18; (IPC1-7):**  
**C04B35/18**

**- European:**

**Application number:** CN19931012337 19930208

**Priority number(s):** CN19931012337 19930208

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### **Abstract of CN1075310**

The invention discloses a kind of sintering ceramic product (including construction material) made entirely from pulverized coal ash, the production process includes homogeneous mixing "stick" and non-stick pulverized coal ash, after adding water, active silicon oxide and active aluminium oxide in the non-stick coal ash react with calcium hydroxide produced from 1400 deg.C burnt lime slaking in the "stick" coal ash, thus improving expansion stability and anti-crack property, then drying and roasting. The plasticity and strength of the blank can be improved by adding chemical bonding agent, such as paper-making black liquor and dilute water glass, present invention features low cost, less energy consumption, high strength, light density and good sound and heat insulation properties.

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